

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 63-079716

(43)Date of publication of application : 09.04.1988

(51)Int.Cl.

C01B 33/00

(21)Application number : 61-224359

(71)Applicant : TOYOTA MOTOR CORP

(22)Date of filing : 22.09.1986

(72)Inventor : ABE SAN

TAKADA KAZUAKI

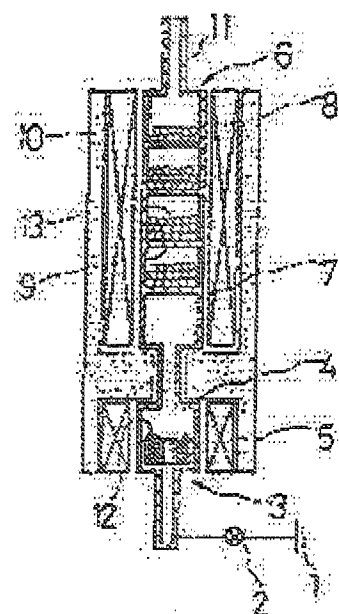
OGAWA MASAHIRO

(54) PRODUCTION OF SILICON SULFIDE

(57)Abstract:

PURPOSE: To mass-produce silicon sulfide at low cost by feeding vaporized sulfur to a reactor together with a carrier gas and allowing the vaporized sulfur to contact and react with heated silicon powder and forming the silicon sulfide.

CONSTITUTION: The silicon powder 13 is contained on multi-stage diaphragms 9 having small holes which is arranged in a reaction container 7 of a silicon sulfide synthesizing device 6 and is heated to the reaction temp. of 800W1,200° C by a heater 8. The powdery sulfur 12 is contained in a vaporization container 4 of a sulfur vaporizing device 3, and the sulfur vapor is generated by heating with a heater 5, then the formed vaporized sulfur is introduced into the reaction container 7 together with the carrier gas fed from the carrier gas device 1. Then the silicon sulfide is formed by subjecting the vaporized sulfur to react with the silicon on the surface of the heated silicon powder 13. At the same time, the formed silicon sulfide is sublimated, vaporized and taken from a synthesized gas outlet 11.



LEGAL STATUS

Date of request for examination]

Date of sending the examiner's decision of rejection]

Kind of final disposal of application other than the

examiner's decision of rejection or application

converted registration]

Date of final disposal for application]

Patent number]

Date of registration]

Number of appeal against examiner's decision of

ejection]

Date of requesting appeal against examiner's decision

of rejection]

Date of extinction of right]